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APPLICATION NO	Э.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/522,562		01/18/2005	Akira Kato	36856.1315	8760		
54066	7590	06/16/2006		EXAM	EXAMINER		
		FACTURING CO	KINKEAD, A	KINKEAD, ARNOLD M			
C/O KEA' 8180 GRE		ENNETT, LLP O DRIVE	ART UNIT	PAPER NUMBER			
SUITE 85	0		2817				
MCLEAN	, VA 22	102		DATE MAILED: 06/16/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	h			
		10/522,562	KATO, AKIRA	. 1			
	Office Action Summary	Examiner	Art Unit				
		Arnold M. Kinkead	2817				
	The MAILING DATE of this communication app						
Period fo	or Reply		•				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communicatio D (35 U.S.C. § 133)				
Status							
1)⊠	Responsive to communication(s) filed on <u>Prel.</u>	Amdt					
	This action is FINAL . 2b) This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Dispositi	ion of Claims		•				
5)□ 6)⊠ 7)⊠	Claim(s) <u>8-20</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) <u>8-12,14,15 and 19</u> is/are rejected. Claim(s) <u>13,16-18 and 20</u> is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.					
	on Papers						
	The specification is objected to by the Examine	r					
	The drawing(s) filed on 18 January 2005 is/are:		to by the Examiner.				
	Applicant may not request that any objection to the	•	·				
	Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is obj	jected to. See 37 CFR 1.121(d).			
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority u	ınder 35 U.S.C. § 119						
12)⊠ a)∫	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachmen							
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da					
3) 🛛 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		Patent Application (PTØ-152)				

Application/Control Number: 10/522,562

Art Unit: 2817

DETAILED ACTION

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Priority

 Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 8,9,10,11,12,14,15,and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Helle et al (US 4,412,188).

The reference by Helle et al discloses a temperature compensated piezo-electric oscillator(see figure 7), with piezo-element(1), an AT cut type(see background), as well as an amplifier(2) and variable capacitor(Cv, a varactor). A compensation voltage generating circuit including two separate ambient temperature control circuits with output terminals(7,8). These two circuits allow for complementary variable voltages to be developed dependent on the ambient temperature. Thermo-sensitive elements(RT3,RT4,thermistors) with a plurality of resistors are shown((R4,5; R14,15) in addition to others. The first and second voltage generating circuits includes the parallel circuit connected to respective terminals of the piezo oscillator and comprises a

first thermo sensitive element(RT1) and resistor (R4); the other parallel circuit(RT5,R15). Note second parallel circuits(RT2,R5) and (RT4,R14) connected in series to the first pair of parallel circuits.

Allowable Subject Matter

4. Claims 13,16-18 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arnold M. Kinkead whose telephone number is 571-272-1763. The examiner can normally be reached on Mon-Fri, 8:30 am -5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Arnold M Kinkead Primary Examiner Art Unit 2817

Arnold Kinkead June 8, 2006